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TI Use of new and known phenyl-sulphonyl-amino-pyrimidine derivs. - as endothelin antagonists for treating hypertonia, ischaemia, vasospasm, angina pectoris, etc..

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Use of phenylsulphonylamino-pyrimidine derivs. of formula (I), or salts of (I), as active agents in the preparation of medicaments for treatment of circulation disorders, especially hypertension, ischaemia, vasospasms and angina pectoris, is new. In (I), R1= H, lower alkyl, lower alkoxy, lower alkylthio, halo or CF3; R2= H, halo, CF3, lower alkoxy or hydroxy-lower alkoxy; R3= H, OH, halo, alkylthio, cycloalkyl, hydroxy-lower alkyl, hydroxy-lower alkyl,

hydroxyimine lower alkyl, lower alkenyl, oxo-lower-alkyl, CF₃, CF₃O, lower alkoxy, lower alkoxy-lower alkoxy or aryl-lower alkoxy; or R₂+R₃= butadienyl; R₄= H, lower alkyl, aryl or heteroaryl; R₅= H, lower alkanoyl, benzoyl, heterocyclyl-carbonyl or tetrahydropyran-2-yl; R₆= a gp. of formula (i) or (ii) (where R⁷= H, NO₂ or lower alkoxy; R₈= H, halo, lower alkyl, lower alkoxy, lower alkylthio, NO₂, OH, NH₂ or CF₃; or R⁷+R₈= butadienyl; R₉= H, halo, CF₃, lower alkyl, lower alkoxy or lower alkylthio; R₁₀= H, halo, lower alkyl, lower alkoxy or lower alkylthio; X, Y= O, S or NH; n= 2, 3 or 4.

(I) are new; (a) when R₆ is a gp. of formula (ii), R₉ is halo, lower alkoxy, lower alkylthio or CF₃, and R₁₀ is H or lower alkoxy, and (b) when R₆ is a gp. of formula (i) and R₈ is not OH, NH₂ or CF₃.

USE - (I) are endothelin antagonists and are useful in treatment of, e.g. hypertension, coronary insufficiency, renal insufficiency, ischaemia, cerebral infarct, migraine, atherosclerosis, gastric and duodenal ulcers, inflammation, shock, glomerulonephritis, renal colic, glaucoma, asthma and in treatment and prophylaxis of diabetic complications and complications resulting from admin. of cyclosporins. Known (I) (see DE1545944) are useful in reducing blood pressure. Admin. is oral, rectal or parenteral, in doses of 0.1-100 mg/kg/day Dwg.0/0

ABEQ US 5270313 A UPAB: 19940203

Sulphonamide derivs. of formula (I) and their salts are new; R₁ is H, lower alkyl, lower alkoxy, lower alkylthio, halo or CF₃; R₂ is H, halo, lower alkoxy, hydroxy-lower alkoxy or CF₃; R₃ is H, OH, halo, alkylthio, cycloalkyl, lower alkyl, hydroxy-lower alkyl, hydroxy-lower alkoxy, hydroximino-lower alkyl, lower alkenyl, oxo-lower alkyl, CF₃, OCF₃, lower alkoxy, lower alkoxy-lower alkoxy or aryl-lower alkoxy; aryl is phenyl opt. substd. by halo, lower alkyl or lower alkoxy; or R₂ with R₃ form butadienyl; R₄ is H, lower alkyl, phenyl opt. substd. by halo, lower alkyl or lower alkoxy, pyrimidinyl, pyridyl, pyrazinyl, pyridazinyl and thienyl; R₅ is H, lower alkanoyl, benzoyl, 2-pyridylcarbonyl, 3-pyridylcarbonyl, 4-pyridylcarbonyl, 3-methylisoxazol-5-yl-carbonyl, 2-furoyl, 3-furoyl, 2-thenoyl, 3-thenoyl or tetrahydropyran-2-yl; R₆ is a gp. of formula (i); R₁₁ is halo, lower alkoxy, lower alkylthio or CF₃; R₁₂ is H or lower alkoxy; X and Y are independently O, S or NH; n is 2, 3 or 4. Use of (I) to treat circulatory disorders is claimed where R₅ may also be a gp. (ii) in which R⁷ is H, lower alkoxy or nitro; R₈ is H, halo, lower alkyl, lower alkoxy, lower alkyl; thio, nitro, OH, amino or CF₃; or R⁷ with R₈ form butadienyl; R₉ is H, halo, lower alkyl, lower alkoxy, lower alkylthio or CF₃; R₁₀ is H, halo, lower alkyl, lower alkoxy or lower alkylthio. USE/ADVANTAGE - (I) are used to treat esp. hypertension, ischemia, vasospasms and angina pectoris.

Dwg.0/0

ABEQ EP 510526 B UPAB: 19970108

The use of compounds of the formula (I); wherein R₁ signifies hydrogen, lower-alkyl, lower-alkoxy, lower-alkylthio, halogen or trifluoromethyl, R₂ signifies hydrogen, halogen, lower-alkoxy, hydroxy-lower-alkoxy or trifluoromethyl; and R₃ signifies hydrogen, hydroxy, halogen, alkylthio, cycloalkyl, hydroxy-lower-alkyl, hydroxy-lower-alkoxy, hydroximino-lower-alkyl lower-alkenyl, oxo-lower-alkyl, trifluoromethyl, trifluoromethoxy, lower-alkoxy, lower-alkoxy-lower-alkoxy or aryl-lower-alkoxy; R₂ and R₃ together signify butadienyl; R₄ signifies hydrogen, lower-alkyl aryl or heteroaryl, R₅ signifies hydrogen, lower-alkoxy, benzoyl, heterocyclyl-carbonyl or tetrahydropyran-2-yl; R₆ signifies a residue of the formula (a)-(b); R₇ signifies hydrogen, lower-alkoxy or nitro; and R₈ signifies hydrogen, halogen, lower-alkyl, lower-alkoxy, lower-alkylthio, nitro, hydroxy, amino, or trifluoromethyl; R₇ and R₈ together signify butadienyl; R₉ signifies hydrogen, halogen, lower-alkyl, lower-alkoxy, lower-alkylthio or trifluoromethyl; R₁₀ signifies hydrogen, halogen, lower-alkyl lower-alkoxy or lower-alkylthio; X and Y each independently signify O, S or NH; and n signifies 2, 3, or 4; whereby "lower" denotes residues with 1-7C atoms; and salts thereof as active ingredients for the manufacture of medicaments for the treatment of circulatory disorders, especially hypertension, ischemia, vasospasms and angina pectoris. Dwg.0/0